



SEQUENCE LISTING

<110> Predki, Paul F.  
Guo, Hong

<120> METHOD FOR THE PREDICTION OF AN EPITOPE

<130> 10959-013-999

<140> 10/622,675

<141> 2003-07-17

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<211> 8

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Asn Asn Ile Ile Glu Glu Arg Phe

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5

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<211> 12

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Glu Glu Glu Asn Ser Leu Ser Thr Thr Ser Lys Ser

1

5

10

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Glu Ser Glu Glu Ser Ser Ser Thr Asn Ser Val Ile

1

5

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Glu Gln Ala Asp Ser Ser Ser Leu Thr Ser Phe Ser

1

5

10

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Val Met Glu Asn Leu Leu Thr Thr Ala Gly Val Ser  
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Phe Asn Glu Pro Ile Asn Asp Ser Ile Ile Ser Lys  
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Gly Gly Glu Pro Ile Asn Ser Ser Val Ala Ser Asn  
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Lys Asn Glu Pro Tyr Ile Asp Lys Ile Ile Ser Lys  
1 5 10

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Phe Asn Glu Thr Ile Asn Lys Ile Ile Glu Ser Lys  
1 5 10

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Met Asn Tyr Leu Ile Glu Gln Ser Asn Ile Leu Lys  
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Gly Leu Asn Asn Ile Ile Glu Glu Arg Phe Glu Glu  
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Ala Ser Asn Asp Ile Ile Glu Glu Lys Phe Tyr Asp  
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Thr Ile Asn Lys Ile Ile Glu Glu His Asp Thr Pro  
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Asn Gln Asn Val Lys Ile Glu Glu Ser Ser Glu Pro  
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<400> 16

Asn Leu Phe Asn Asn Arg His Glu Asn Phe Asp Glu  
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<210> 17

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Thr	Asp	Gly	Leu	Asn	Asn	Ile	Ile	Glu	Glu	Arg	Phe	Glu	Glu	Ala	Thr
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Asp	Phe	Ile	Leu	Asp											
			20												

<210> 18

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<400> 18

Ser	Val	Ala	Ser	Asn	Asp	Ile	Ile	Glu	Glu	Lys	Phe	Tyr	Asp	Glu	Gln
1				5				10						15	
Gly	Asn	Glu	Leu	Ser											
			20												

<210> 19

<211> 21

<212> PRT

<213> Yeast

<400> 19

Lys	Asp	Phe	His	Arg	Asn	Lys	Ile	Glu	Ser	Val	Leu	Asn	Glu	Thr	Thr
1				5				10						15	
Lys	Leu	Met	Asn	Asp											
			20												

<210> 20

<211> 21

<212> PRT

<213> Yeast

<400> 20

Phe	His	Lys	Asn	Tyr	Asn	Lys	Val	Val	Glu	Lys	Thr	Glu	Pro	Tyr	Ile
1				5					10					15	
Asp	Lys	Ile	Ile	Pro											
			20												

<210> 21

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<213> Yeast

<400> 21

Ser	Ser	Ser	Thr	Asn	Ser	Val	Ile	Glu	Glu	Ser	Ser	Glu	Pro	Lys	Ile
1				5				10						15	
Ser	Lys	Leu	Glu	Asn											
			20												

<210> 22

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<212> PRT

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<400> 22

Thr Asp Gly Leu Asn Asn Ile Ile Glu Glu Arg Phe Glu Glu Ala Thr  
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Asp Phe Ile Leu Asp  
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<210> 23

<211> 21

<212> PRT

<213> Yeast

<400> 23

Thr Asn Gly Arg Asn Ile Ile Ile Glu Glu Ile Glu Ala Ser Arg Thr  
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Ser Phe Thr Leu Tyr  
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<210> 24

<211> 21

<212> PRT

<213> Yeast

<400> 24

Thr Asp Tyr Leu Lys Asn Ile Ile Val Glu Asn Ser Gly Thr Ser Gly  
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Asp Glu Asp Val Asp  
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<210> 25

<211> 21

<212> PRT

<213> Yeast

<400> 25

Arg Asp Tyr Leu Asn Ser Tyr Ile Glu Glu Arg Leu Gln Glu Glu His  
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Leu Asp Ile Asn Asn  
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<210> 26

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<212> PRT

<213> Yeast

<400> 26

Lys Thr Asp Leu Val Asn Phe Ile Glu Glu Arg Phe Lys Thr Phe Cys  
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Asp Glu Glu Leu Glu  
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<213> Yeast

<400> 27  
 Thr Val Leu Glu Asn Lys Lys Ile Glu Glu Gly Lys Glu Thr Ala Val  
 1 5 10 15  
 Asp Arg Glu Glu Asp  
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<210> 28  
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<400> 28  
 Ile Glu Gly Leu Asn Ile Ile Ser Ser Gly Thr Phe Glu Ser Leu Gln  
 1 5 10 15  
 Asp Phe Val Leu Gln  
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<210> 29  
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<400> 29  
 Thr Asp Ala Ser Asn Gly Tyr Asp Glu Glu Leu Pro Glu Glu Glu Gln  
 1 5 10 15  
 Glu Phe Ser Asp Asp  
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<210> 30  
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 <213> Yeast

<400> 30  
 Ser Tyr Tyr Leu Asn Cys Ile Ile Glu Glu Asn Phe Lys Glu Met Thr  
 1 5 10 15  
 Arg Lys Leu Gln Arg  
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<210> 31  
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<400> 31  
 Gly Gln Phe Leu Glu Asn Phe Leu Glu Leu Asn Leu Asn Glu Val Thr  
 1 5 10 15  
 Asp Leu Ile Arg Asp  
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<210> 32  
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 <213> Yeast

<400> 32

Thr Leu Ser Ala Gly Asn Ala Cys Pro Gly Trp Asp Glu Asp Ala Asn  
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 Asp Asp Ile Leu Asp  
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<210> 33  
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<400> 33  
 Thr Asp Ile Phe Lys Asn Cys Leu Glu Asn Gln Phe Glu Ile Thr Asn  
 1 5 10 15  
 Leu Lys Ile Leu Phe  
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<210> 34  
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<400> 34  
 Asp Asp Asp Asp Asp Asp Glu Asp Glu Glu Glu Glu Glu Val Thr  
 1 5 10 15  
 Asp Gln Leu Glu Asp  
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<210> 35  
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<400> 35  
 Val Asp Gly Lys Gly Asn Glu Thr Glu Glu Asp Asp Ile Lys Phe Ile  
 1 5 10 15  
 Lys Gly Ile Leu Asp  
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<210> 36  
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<400> 36  
 Asp Asp Gly Leu Pro Asn Gly Ile Thr Leu Ile Gly Lys Lys Phe Thr  
 1 5 10 15  
 Asp Tyr Ala Leu Leu  
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<210> 37  
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 <213> Yeast

<400> 37  
 Thr Ile Ser Leu Ile His Glu Ile Glu Lys Ile Phe Glu Glu Asp Ile

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<210>	38
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<213>	Yeast

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Phe Gln Gly Gly Leu Asp Ile Ile Lys Glu Ser Leu Glu Glu Asp Pro
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Asp Phe Leu Gln His
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<210>	39
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<213>	Yeast

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Thr Asp Tyr Leu Phe Asp Tyr Arg Glu Val Leu Glu Ser Leu Gly Leu
 1          5          10          15
Asp Ile Ile Leu Asp
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<210>	40
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<213>	Yeast

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<400> 40
Gln Phe Leu Leu Ser Lys Ile Ile Glu Ala Arg Ile Ser Gly Ala Phe
 1             5             10             15
Phe Glu Ile Trp Asp
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<210> 41
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<400> 41
Thr Glu Phe Tyr Asn Asn Tyr Ser Met Gln Val Arg Glu Asp Glu Arg
 1             5             10             15
Asp Tyr Ile Leu Asp
      20

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<210>	42
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<400> 42  
Lys Phe Gly Arg Val Leu Arg Cys Asp Thr Asp Gly Leu Asn Asn Ile  
1 5 10 15



Ile Glu Glu Arg Phe Glu Glu Ala Thr Asp Phe Ile Leu Asp Ser Phe  
20 25 30  
Glu Glu Trp Ser Asp Glu Glu  
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<210> 43  
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<212> PRT  
<213> Yeast

<400> 43  
Asn Asn Val Arg Lys Thr Tyr Arg Pro Leu Asp Ala Asp Ile Ile Ile  
1 5 10 15  
Ile Glu Glu Ile Pro Glu Arg Glu Gly Leu Leu Phe Lys His Ala Asn  
20 25 30  
Tyr Leu Val Lys His Leu Ile  
35

<210> 44  
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<400> 44  
Arg Arg Asn Asp Ile Leu Ser Asn Ser Gln Asp Lys Ser Leu Asn Pro  
1 5 10 15  
Val Lys Glu Arg Glu Arg Lys Leu Asn Lys Phe Ser Glu Asn Gln His  
20 25 30  
Arg Glu Asn Glu Ala His Lys  
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<210> 45  
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<213> Yeast

<400> 45  
Leu Pro Ile Ile Glu Tyr Glu Asp Leu Asp Glu Thr Ile Asn Lys Ile  
1 5 10 15  
Ile Glu Glu His Asp Thr Pro Leu Val Gln Tyr Ile Phe Ser Asp Ser  
20 25 30  
Gln Thr Glu Ile Asn Arg Ile  
35

<210> 46  
<211> 34  
<212> PRT  
<213> Yeast

<400> 46  
Asn Ser Gly Gly Glu Pro Ile Asn Ser Ser Val Ala Ser Asn Asp Ile  
1 5 10 15  
Ile Glu Glu Lys Phe Tyr Asp Glu Gln Gly Asn Glu Leu Ser Pro Arg  
20 25 30  
Asn Tyr

<210> 47  
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<212> PRT

<213> Yeast

<400> 47  
Ser Arg Gly Gly Ser Glu Asp Gly Ala Thr Lys Lys Leu Lys Lys Glu  
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Lys Glu Arg Arg Phe Lys Ile Ala Leu Ser Gly Gly Ser Leu Ile Gln  
20 25 30  
Val Leu His Glu Gly Leu Leu  
35

<210> 48  
<211> 39  
<212> PRT  
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<400> 48  
Asn Phe Ser Lys Pro Asp Val Lys Thr Tyr Asp Pro Arg Thr Val Asp  
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Ile Glu Glu Glu Leu Ala Ala His Gln Arg Glu Leu Glu Gln Asn Leu  
20 25 30  
Lys Asp Gly Asp Tyr Asn Leu  
35

<210> 49  
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<213> Yeast

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Gln Ala Asp Gln Thr Pro Glu Asp Leu Asp Met Glu Asp Asn Asp Ile  
1 5 10 15  
Ile Glu Ala His Arg Glu Gln Ile Gly Gly Ala Thr Tyr  
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<213> Yeast

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Thr Lys Asp Leu Lys Asn Ile Lys Ser Val Thr Asn Gln Asn Val Lys  
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Ile Glu Glu Ser Ser Ser Thr Asn Ser Val Ile Glu Glu Ser Ser Glu  
20 25 30  
Pro Lys Ile Ser Lys Leu Glu  
35